

**AMENDMENTS TO THE SPECIFICATION**

Please replace paragraph [0001] at page 1, lines 5-15 with the following paragraph:

[0001] This invention generally relates to a heating bag. More particular, the invention relates to an essentially sterile, pyrogen-free, polymeric film-based heating bag. The polymeric film can include a polymer selected from the group of poly(oxy-1,4-phenylene-oxy-1,4-phenylene-carbonyl-1,4-phenylene) (PEEK); polytetrafluoroethylene (PTFE); a perfluoroalkoxy (PFA) polymer; poly(tetrafluoroethylene-*co*-perfluoromethyl vinyl ether) (MFA); polyperfluoro(ethylene-*co*-propylene)(FEP); poly(ethylene-*alt*-chlorotrifluoroethylene) (ECTFE); poly(ethylene-*co*-tetrafluoroethylene) (ETFE); poly(vinylidene fluoride) (PDVF); tetrafluoroethylene-*co*-hexafluoropropylene-*co*-vinylidene fluoride terpolymer (THV); ~~ultra-high molecular weight polyethylene (UHMW-PE)~~; ~~[[~~(~~)]~~poly(bisphenol A-*co*-4-nitrophthalic anhydride-*co*-1,3-phenylenediamine) (PEI); poly(4-methyl-1-pentene) (PMP); and suitable mixtures thereof.~~~~

Please replace paragraph [0006] at page 3, lines 10-21 with the following paragraph:

[0006] In one embodiment, there is a method for storing fluids in a bag that has an inner lining that is essentially sterilized and essentially free of pyrogen. The method comprises heating the bag that is comprised of a polymeric film to at least approximately 253° Celsius. The polymeric film includes a polymer selected from the group of poly(oxy-1,4-phenylene-oxy-1,4-phenylene-carbonyl-1,4-phenylene) (PEEK); polytetrafluoroethylene (PTFE); a perfluoroalkoxy (PFA) polymer; poly(tetrafluoroethylene-*co*-perfluoromethyl vinyl ether) (MFA); polyperfluoro(ethylene-*co*-propylene)(FEP); poly(ethylene-*alt*-chlorotrifluoroethylene) (ECTFE); poly(ethylene-*co*-tetrafluoroethylene) (ETFE); poly(vinylidene fluoride) (PDVF); tetrafluoroethylene-*co*-hexafluoropropylene-*co*-vinylidene fluoride terpolymer (THV); ~~ultra-high molecular weight polyethylene (UHMW-PE)~~; ~~[[~~(~~)]~~poly(bisphenol A-*co*-4-nitrophthalic anhydride-*co*-1,3-phenylenediamine) (PEI); poly(4-methyl-1-pentene) (PMP); and suitable mixtures thereof.~~~~

Please replace paragraph [0007] at pages 3-4, lines 3:23-4:8 with the following paragraph:

[0007] In an embodiment, there is a method for forming a polymeric film-based bag for storage of liquid. The method comprises aligning edges of a first polymeric film with edges of a second polymeric film. The method also includes placing a connector approximately perpendicular with one edge of the edges of the first polymeric film and one edge of the second polymeric film. The method includes coupling the edges of the first polymeric film to the edges of the second polymeric film. The first and second polymeric films are each independently a polymer selected from the group of poly(oxy-1,4-phenylene-oxy-1,4-phenylene-carbonyl-1,4-phenylene) (PEEK); polytetrafluoroethylene (PTFE); a perfluoroalkoxy (PFA) polymer; poly(tetrafluoroethylene-*co*-perfluoromethyl vinyl ether) (MFA); polyperfluoro(ethylene-*co*-propylene)(FEP); poly(ethylene-*alt*-chlorotrifluoroethylene) (ECTFE); poly(ethylene-*co*-tetrafluoroethylene) (ETFE); poly(vinylidene fluoride) (PDVF); tetrafluoroethylene-*co*-hexafluoropropylene-*co*-vinylidene fluoride terpolymer (THV); ~~ultra-high molecular weight polyethylene (UHMW PE)~~; ~~[[()]]poly(bisphenol A-*co*-4-nitrophthalic anhydride-*co*-1,3-phenylenediamine) (PEI)~~; poly(4-methyl-1-pentene) (PMP); and suitable mixtures thereof.

Please replace paragraph [0008] at page 4, lines 10-21 with the following paragraph:

[0008] In one embodiment, an apparatus comprises a bag for the storage of fluids. The bag is comprised of a polymeric film. The elastic bag is suitable for heating to at least approximately 253° Celsius. The polymeric film includes a polymer selected from the group of poly(oxy-1,4-phenylene-oxy-1,4-phenylene-carbonyl-1,4-phenylene) (PEEK); polytetrafluoroethylene (PTFE); a perfluoroalkoxy (PFA) polymer; poly(tetrafluoroethylene-*co*-perfluoromethyl vinyl ether) (MFA); polyperfluoro(ethylene-*co*-propylene)(FEP); poly(ethylene-*alt*-chlorotrifluoroethylene) (ECTFE); poly(ethylene-*co*-tetrafluoroethylene) (ETFE); poly(vinylidene fluoride) (PDVF);

tetrafluoroethylene-*co*-hexafluoropropylene-*co*-vinylidene fluoride terpolymer (THV); ~~ultra-high molecular weight polyethylene (UHMW-PE)~~; [[(]]poly(bisphenol A-*co*-4-nitrophthalic anhydride-*co*-1,3-phenylenediamine) (PEI); poly(4-methyl-1-pentene) (PMP); and suitable mixtures thereof.

Please replace paragraph [0009] at pages 4-5, lines 4:23-5:6 with the following paragraph:

[0009] In an embodiment, there is a bag for storage of a liquid. The bag comprises a first film comprised of a polymer. The bag also comprises a second film comprised of a polymer that is welded to the first film. The bag also includes a connector comprised of a polymer and positioned approximately perpendicular to one of the edges of the first film. The first and second films each independently include a polymer selected from the group of poly(oxy-1,4-phenylene-oxy-1,4-phenylene-carbonyl-1,4-phenylene) (PEEK); polytetrafluoroethylene (PTFE); a perfluoroalkoxy (PFA) polymer; poly(tetrafluoroethylene-*co*-perfluoromethyl vinyl ether) (MFA); polyperfluoro(ethylene-*co*-propylene)(FEP); poly(ethylene-*alt*-chlorotrifluoroethylene) (ECTFE); poly(ethylene-*co*-tetrafluoroethylene) (ETFE); poly(vinylidene fluoride) (PDVF); tetrafluoroethylene-*co*-hexafluoropropylene-*co*-vinylidene fluoride terpolymer (THV); ~~ultra-high molecular weight polyethylene (UHMW-PE)~~; [[(]]poly(bisphenol A-*co*-4-nitrophthalic anhydride-*co*-1,3-phenylenediamine) (PEI); poly(4-methyl-1-pentene) (PMP); and suitable mixtures thereof.

Please replace paragraph [0010] at page 5, lines 8-20 with the following paragraph:

[0010] In one embodiment, a kit comprises a bag for the storage of fluids. The bag is comprised of a polymeric film. The bag is suitable for heating to at least approximately 253° Celsius. The kit also includes packaging material. Additionally, the kit includes instructions or indicia located on the packaging material or inside the packaging material. The polymeric film includes a polymer selected from the group of poly(oxy-1,4-phenylene-oxy-1,4-phenylene-carbonyl-1,4-phenylene) (PEEK); polytetrafluoroethylene (PTFE); a perfluoroalkoxy (PFA) polymer;

poly(tetrafluoroethylene-*co*-perfluoromethyl vinyl ether) (MFA); polyperfluoro(ethylene-*co*-propylene)(FEP); poly(ethylene-*alt*-chlorotrifluoroethylene) (ECTFE); poly(ethylene-*co*-tetrafluoroethylene) (ETFE); poly(vinylidene fluoride) (PDVF); tetrafluoroethylene-*co*-hexafluoropropylene-*co*-vinylidene fluoride terpolymer (THV); ~~ultra-high molecular weight polyethylene (UHMW-PE)~~; ~~[[()]]~~poly(bisphenol A-*co*-4-nitrophthalic anhydride-*co*-1,3-phenylenediamine) (PEI); poly(4-methyl-1-pentene) (PMP); and suitable mixtures thereof.

Please replace paragraph [0013] at pages 6-7, lines 6:24-7:2 with the following paragraph:

[0013] As used herein, “polymeric” or “polymer” refers to poly(oxy-1,4-phenylene-oxy-1,4-phenylene-carbonyl-1,4-phenylene) (PEEK); polytetrafluoroethylene (PTFE); a perfluoroalkoxy (PFA) polymer; poly(tetrafluoroethylene-*co*-perfluoromethyl vinyl ether) (MFA); polyperfluoro(ethylene-*co*-propylene)(FEP); poly(ethylene-*alt*-chlorotrifluoroethylene) (ECTFE); poly(ethylene-*co*-tetrafluoroethylene) (ETFE); poly(vinylidene fluoride) (PDVF); tetrafluoroethylene-*co*-hexafluoropropylene-*co*-vinylidene fluoride terpolymer (THV); ~~ultra-high molecular weight polyethylene (UHMW-PE)~~; ~~[[()]]~~poly(bisphenol A-*co*-4-nitrophthalic anhydride-*co*-1,3-phenylenediamine) (PEI); poly(4-methyl-1-pentene) (PMP); and suitable mixtures thereof.

Please delete paragraph [0023] at pages 9-10, lines 9:18-10:2.